

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) An enhanced passive scanning method for a wireless local area network, comprising:
 - receiving a beacon signal or a gratuitous probe response;
 - updating a site timing table entry in a site timing table based on the received beacon signal or gratuitous probe response; ~~and~~
 - setting a scan start time for a neighboring access point or mobile device based on entries in the updated site timing table; and
 - determining a power mode for a wireless communication device based on the scan start time by determining a time period remaining until a target beacon transmission time or a target gratuitous probe response transmission time is scheduled.
2. (previously presented) The method of claim 1 wherein the beacon signal or the gratuitous probe response are received from a mobile station or an access point.
3. (original) The method of claim 1 wherein the beacon signal is received from an access point, the beacon signal including an access-point timestamp, a beacon interval, a basic service set identifier, and a traffic indication map.
4. (original) The method of claim 1 wherein the gratuitous probe response is received from an access point, the gratuitous probe response including an access-point timestamp, a gratuitous probe response interval, and a basic service set identifier.
5. (original) The method of claim 1 wherein the updated site timing table includes an access-point timestamp, a local station timestamp, a beacon interval, and a gratuitous probe response interval.

6. (canceled)
7. (canceled)
8. (previously presented) The method of claim 1 further comprising:
scanning at least one channel for the beacon signal or the gratuitous
probe response.
9. (previously presented) The method of claim 8 wherein scanning at least
one channel comprises one of performing an active scan, performing a passive scan,
or performing an enhanced passive scan.
10. (previously presented) The method of claim 1 further comprising:
creating the site timing table with at least one site timing table entry, the
site timing table based on a received beacon signal or a gratuitous probe response.
11. (previously presented) The method of claim 10 wherein creating the site
timing table entry comprises tuning to an access point channel, receiving the beacon
signal or the gratuitous probe response, collecting transmission measurements of an
access point, and storing access point information in the site timing table.
12. (previously presented) The method of claim 1 further comprising:
selecting an access point based on the received beacon signals or
gratuitous probe responses.

13. (original) The method of claim 1 further comprising:
generating an enhanced passive scan schedule based on at least one site timing table entry in the site timing table, the enhanced passive scan schedule including a channel number, a local scan start time, and a maximum channel scan time for each site timing table entry in the site timing table.

14. (currently amended) An enhanced passive scanning system for a wireless local area network, comprising:
means for receiving a beacon signal or a gratuitous probe response;
means for updating a site timing table entry in a site timing table based on at least one of the received beacon signal and gratuitous probe response; and
means for setting a scan start time for a neighboring access point or mobile device based on entries in the updated site timing table; and
means for determining a power mode for a wireless communication device based on the scan start time by determining a time period remaining until a target beacon transmission time or a target gratuitous probe response transmission time is scheduled.

15. (previously presented) The system of claim 14 further comprising:
means for scanning at least one channel for the beacon signal or the gratuitous probe response.

16. (previously presented) The system of claim 15 further comprising:
means for creating the site timing table with at least one site timing table entry, the site timing table based on a received beacon signal or a gratuitous probe response.

17. (previously presented) The system of claim 14 further comprising:
means for selecting an access point based on the received beacon signals or gratuitous probe responses.

18. (original) The system of claim 14 further comprising:

means for generating an enhanced passive scan schedule based on at least one site timing table entry in the site timing table, the enhanced passive scan schedule including a channel number, a local scan start time, and a maximum channel scan time for each site timing table entry in the site timing table.

19. (canceled)

20. (canceled)

21. (canceled)

22. (canceled)

23. (canceled)

24. (canceled)